

Bibliography of Phasmida (Insecta). VII. 1985-1989 *

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The literature on the stick- and leaf-insects (order Phasmida) published during the period 1985-1989 has been reviewed. A total of 261 scientific papers, chapters in books, theses etc. are listed. A systematic index is included covering some 70 species.

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Introduction

While reviewing the literature on the stick- and leaf-insects (order Phasmida) for the period 1930-1984 some 1500 references were found (previous parts appeared in Spixiana 6 (1983): 27-43; 10 (1987): 147-156; and in Beitr. Ent., Berlin 35 (1985): 3-12; 36 (1986): 255-260; 37 (1987): 197-207; 38 (1988): 277-287). This seventh part covers the period of 1985-1989, and contains a total of 261 references, i.e. some 52 annually. The systematic index contains some 70 different species, which corresponds to 2.8 % of the total 2.500 described species. *Carausius morosus* (de Sinéty) is still the most commonly used species, however not to same extend as during earlier periods and is therefore now included in the index.

The literature has been obtained, and are presented as described in previous parts (op. cit.).
For papers omitted, the author should appreciate receiving a note and/or a copy of that paper.

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Literature

- Afzelius, B. A. 1985. Cell shape changes in animal spermatozoa. - J. Ultrast. Res. 91: 249
— 1988. Microtubules in the spermatids of stick insects. - J. Ultrast. Res. 98: 94-102
— & Dallai, R. 1989. Connecting bridges between axoneme and other components in the sperm tail of some insects. - J. Morphol. 202: 173-177
*Agostini, A. N. & Scali, V.. 1989: Segnalazioni di neove stazioni italiane di *Bacillus atticus* Brunner 1882 (Insecta Phasmatodea): Isole Tremiti, Gargano e Sicilia. - Boll. soc. entomol. ital. 121: 10-12 [V. Scali, pers. comm.]

* This paper is dedicated to the memory of the late Prof. em. Keith D. K. McE. Kevan (1920-1991) (Lyman Entomological Museum and Research Laboratory, McGill University, Quebec, Canada), in recognition for his extensive knowledge of Orthoptera and his great interest in the literature concerning these insects, which he happily shared with us other fond of these lovely creatures. – Part VIII. – Beitr. Ent. (in print). It is the first supplement covering the period 1930-1984 and includes some 110 references.

- Allred, M. L., Stark, B. P. & Lentz, D. L. 1986. Egg capsule morphology of *Anisomorpha buprestoides* (Phasmatodea: Pseudophasmatidae). - Ent. News **97**: 169-174
- Baccetti, B. 1985. Evolution of the sperm cell. In: Metz, C. B. & Monroy, A. (Eds.), Biology of Fertilization, vol. 2, pp. 3-58. New York (Academic Press)
- 1987a. Spermatozoa and stick insect phylogeny. - In: Mazzini & Scali (Eds.) 1987: 177-123
 - (Ed.) 1987b. Evolutionary Biology of Orthopteroid Insects. Chichester (Ellis Horwood), 1-612 pp.
 - 1987c. Spermatozoa and phylogeny in orthopteroid insects. - In: Baccetti (Ed.) 1987c: 12-112
- Bart, A. 1988. Proximal leg regeneration in *Carausius morosus*: growth, intercalation and proximalization. - Development **102**: 71-84
- Bässler, U. 1985. Proprioceptive control of stick insect walking. - In: Gewecke & Wendler (Eds.) 1985: 43-48
- 1986a. On the definition of central pattern generator and its sensory control. - Biol. Cybern. **54**: 65-69
 - 1986b. Afferent control of walking movements in the stick insect *Cuniculina impigra*. I. Decerebrated animals on a treadband. - J. Comp. Physiol. A **158**: 345-349
 - 1986c. Ibid. II. Reflex reversal and the release of the swing phase in the restrained foreleg. - J. Comp. Physiol. A **158**: 351-362
 - 1987a. Timing and shaping influences on the motor output for walking in stick insects. - Biol. Cybern. **55**: 397-401
 - 1987b. Mutual constraints during evolution of catalepsy and rocking movements in phasmids. - In: Mazzini & Scali (Eds.) 1987: 79-85
 - 1988. Functional principles of pattern generation for walking movements of stick insect forelegs: The role of the femoral chordotonal organ afferences. - J. exp. Biol. **136**: 125-147
 - , Dubner, C. & Fahrig, T. 1987. Motor output oscillations in degenerated thoracic ganglia of walking stick insects. - Zool. Jb. Physiol. **91**: 393-401
 - , Foth, E. & Breutel, G. 1985. The inherent walking direction differs for the prothoracic and metathoracic legs of stick insects. - J. exp. Biol. **116**: 303-311
 - , Hofmann, T. & Schuch, U. 1986. Assisting components within a resistance reflex of the stick insect, *Cuniculina impigra*. - Physiol. Entomol. **11**: 359-366
 - & Koch, U. T. 1989. Modelling of the active reaction of stick insects by a network of neuroamimes. - Biol. Cybern. **62**: 141-150
- Baudry-Partiaoglou, N. 1986. Diversity of neurohormonal release sites in insects: Coexistence of two different (a and b) types of neurohemal structure in the perisynthetic organs. - Gen. Comp. Endocrin. **62**: 254-267
- Berthold, G. 1987. Attachement sites and interconnections of the microtubular system in pigment-containing epidermal cells of *Carausius morosus* (Insecta, Phasmida). - Zoomorphology **107**: 45-48
- Borro, D. J., Triplehorn, C. A. & Johnson, N. F. 1989. An Introduction of Study of Insects, 6th ed., i-xiv, 1-875 pp. Chapter 13. Order Phasmida - Walkingsticks and leaf insects, pp. 205-207. Philadelphia etc. (Saunders College Publishing)
- Bradley, J. T. & Giorgi, F. 1987. Endocrine control of insect vitellogenesis: Is the stick insect exceptional? - In: Mazzini & Scali (Eds.) 1987: 11-19
- , Mazzini, M. & Giorgi, F. 1987. Vitellogenesis in the stick insect *Bacillus rossius* (Rossi) (Phasmatodea Bacillidae). 6. Kinetics of vitellogenic development. - Monitore zool. ital. (N. S.). **21**: 99-115
 - , -- & -- . 1989. Vitellogenesis in allectomized *Carausius morosus*. - J. Biol. Chem. **109**, (4:2) 32a
- Bragg, P. 1988. Species report: *Acanthoxyla prasina* (Westwood). - Phasmid Study Group, Newsletter **36**: 11-12
- 1989. A cage constructed for stick insect. - Bull. amat. Ent. Soc. **48**: 160-161
- Brock, P. D. 1985a. New Zealand Phasmids established in South-West England: A brief account with notes on their distribution. - Bull. amat. Ent. Soc. **44**: 133-136
- 1985b. The Phasmid Rearers Handbook (Stick Insects and Leaf Insects). - Amat. ent. Soc., Handb. **20**: i-ii, 1-42
 - 1985c. Species report: *Calynda* spp. - Phasmid Study Group, Newsletter **23**: 7-8
 - 1985d. Species report: *Diapheromera femorata* (Say). - Phasmid Study Group, Newsletter **24**: 6-8
 - 1986. Species report: *Dares* spp. - Phasmid Study Group, Newsletter **26**: 8-10
 - 1987a. An account of the Phasmid *Bacillus cyperius* Uvarov (Phasmida, Bacillidae) with emphasis on distribution. - Bull. amat. ent. Soc. **46**: 214-221
 - 1987b. A third New Zealand stick insect (Phasmatodea) established in the British Isles, with notes

- on the other species, including a correction. - In: Mazzini & Scali (Eds.) 1987: 125-132
- 1987c. Species report: *Bacteria* sp. - Phasmid Study Group, Newsletter **31**: 11-12
- 1989a. Gynandromorphs of the stick insect *Heteropteryx dilatata*. - Bull. amat. ent. Soc. **48**: 207-211
- 1989b. Species report: *Clonopsis gallica* (Charpentier). - Phasmid Study Group, Newsletter **38**: 24-26
- Bruins, E. 1986(?). De Roodvleugel-wandelende tak. - Het Aquarium (volume unknown) pp. 232-234.
[copy from Kim d'Hulster]
- Bullini, L. & Nascetti, G. 1987a. Genetic and taxonomic studies on the genus *Clonopsis*, with the description of a new species (Phasmatidae, Bacillidae). - Boll. Inst. Entomol. "Guido Grandi" dell Univ. Bologna., vol. **41**: 325-353
- & --. 1987b. Speciation by hybridization in stick insects (Insecta, Phasmatodea). - In: Mazzini & Scali (Eds.), 1987: 179-194
- & --. 1987c. Speciation by hybridization in Orthopteroid insects. - In: Baccetti (Ed.) 1987: 134-147
- & --. 1989. Speciation by hybridization in insects. In: Loxdale, H. D. & den Hollander, J. (Eds.), Systematics Association Special Volume No. **39**: 317-339. Oxford (Clarendon Press)
- Byron, M. S. 1988. How to keep stick insects. pp. 1-20. London (Fitzgerald Publishing).
- Buscghes, A. 1989. Processing of sensory input from the femoral chordotonal organ by spikin interneurons of stick insects. - J. exp. Biol. **144**: 81-111
- Cai, B.-O. 1987. A list of Chinese Phasmids with a key to subfamilies. - Contributions from Tianjin Nat. Hist. Museum 1987(4): 26-30. [In Chinese with Latin names]
- Camousseight, A. 1986. El genero *Xeropis* Redtenbacher, 1908 (Phasmatodea: Pseudophasmatidae). - Rev. Chilena Ent. **14**: 65-69
- 1988. *Bacunculus cornutus* comb. n. y *B. blanchardi* n. sp. de Chile (Insecta: Phasmatodea, Pseudophasmatidae). - Bol. Mus. Nac. Hist. Nat. Chile **41**: 117-123
- Capinera, J. L. 1985. Determination of host plant preference of *Hemileuca oliviae* (Lepidoptera: Saturniidae), *Paropomala wyomingensis* (Orthoptera: Acrididae), and *Diapheromera veli* (Orthoptera: Phasmatidae) by choice test and crop analysis. - J. Kansas Ent. Soc. **58**: 465-471
- Carlberg, U. 1985a. Oviposition rhythm in *Extatosoma tiaratum* (MacLeay) (Insecta: Phasmida). - Zool. Anz. **214**: 70-80
- 1985b. Bibliography of Phasmida (Insecta) - II (1960-1969). - Beitr. Ent., Berlin **35**: 3-12
- 1985c. Postembryonic stages of *Anisomorpha buprestoides* (Houttuyn in Stoll' 1813) (Insecta: Phasmida). - Zool. Jb. Anat. **113**: 51-66
- 1985d. Postembryonic variations in *Extatosoma tiaratum* (MacLeay) (Insecta: Phasmida). - Zool. Jb. Anat. **113**: 165-169
- 1985e. Bemerkungen zu *Baculum thaili* Hausleithner (Phasmida). - Ent. Z. **95**: 284-285
- 1985f. Evolutionary and ecological aspects on hatching time and defensive behaviour of Phasmida (Insecta). - Biol. Zbl. **104**: 529-537
- 1985g. Chemical defence in *Extatosoma tiaratum* (MacLeay) (Insecta: Phasmida). - Zool. Anz. **214**: 185-192
- 1985h. Chemical defence in *Anisomorpha bupresoides* (Houttuyn in Stoll') (Insecta: Phasmida). - Zool. Anz. **215**: 177-188
- 1986a. Secondary defence in *Carausius morosus* (de Sinéty) (Insecta: Phasmida). - Zool. Anz. **215**: 373-384
- 1986b. Phasmida - A biological review. - Zool. Anz. **216**: 1-18
- 1986c. Antennae ontogeny in *Extatosoma tiaratum* (MacLeay) (Insecta: Phasmida). - Zool. Jb. Ant. **114**: 157-166
- 1986d. Chemical defence in *Sipyloidea sipylylus* (Westwood) (Insecta: Phasmida). - Zool. Anz. **217**: 31-38
- 1986e. Thanatosis and autotomy as defence in *Baculum* sp.1 (Insecta: Phasmida). - Zool. Anz. **217**: 39-53
- 1986f. Evolutionary and ecological aspects of reproduction adaptations in Phasmida (Insecta). - Biol. Zbl. **105**: 641-651
- 1986g. Bibliography of Phasmida (Insecta). III. 1950-1959. - Beitr. Ent., Berlin **36**: 255-260
- 1986h. External genitalia ontogeny in *Baculum* sp. 1 (Insecta: Phasmida). - Zool. Jb. Ant. **114**: 511-516
- 1987a. Culturing stick- and leaf-insects (Phasmida) - A review. - Z. Versuchstierkd. **29**: 39-63
- 1987b. Evolutionary and ecological aspects on ovarian diversity in Phasmida (Insecta). - Zool. Jb. Syst. **114**: 45-63

- 1987c. Ovary anatomy in Phasmida (Insecta). - Zool. Jb. Anat. **115**: 77-84
- 1987d. Postembryonic ontogeny in *Sipyloidea sipylus* (Westwood) (Insecta: Phasmida). - Zool. Jb. Anat. **115**: 273-279
- 1987e. Sperm ultrastructure in Phasmida (Insecta). - Zool. Anz. **218**: 261-265
- 1987f. Chemical defence in Phasmida vs Mantodea (Insecta). - Zool. Anz. **218**: 369-373
- 1987g. Evolutionary and ecological aspects on ovarian diversity in Phasmida. - In: Baccetti (Ed.), 1987, pp. 174-176
- 1987h. Mate choice, sperm competition and storage of sperm in *Baculum* sp. 1 (Insecta: Phasmida). - Zool. Anz. **219**: 182-196
- 1987i. Bibliography of Phasmida (Insecta). VI. 1980-1984. - Spixiana **10**: 147-156
- 1988a. Reproduction biology of *Extatosoma tiaratum* (MacLeay) (Insecta: Phasmida). - Zool. Anz. **219**: 331-336
- 1988b. Food consumption in *Extatosoma tiaratum* (MacLeay) (Insecta: Phasmida). - Zool. Anz. **220**: 195-202
- 1988c. Postembryonic growth in length and mass in *Extatosoma tiaratum* (MacLeay) (Insecta: Phasmida). - Zool. Anz. **220**: 203-215
- 1988d. Aspects of evolution and ecology in relation to defecation and oviposition behaviour of *Extatosoma tiaratum* (MacLeay) (Insecta: Phasmida). - Biol. Zbl. **107**: 541-551, 686
- 1988e. Postembryonic development of *Pharnacia acanthopodus* Burmeister with notes on biology (Insecta: Phasmida). - Zool. Anz. **221**: 17-32
- 1988f. Bibliography of Phasmida (Insecta): V. 1930-1939. - Beitr. Ent., Berlin **38**: 277-287
- 1989a. Ovary anatomy in Phasmida (Insecta). II. - Zool. Jb. Anat. **118**: 9-14
- 1989b. Group effect during postembryonic development in *Eurycantha calcarata* Lucas (Insecta: Phasmida). - Fauna Norv., ser. B **36**: 65-66
- 1989c. Aspects of evolution and ecology in relation to defecation and oviposition behaviour of *Extatosoma tiaratum* (MacLeay) (Insecta: Phasmida). - Fauna Norv., ser. B **36**: 67-68
- 1989d. Egg capsule morphology of *Pharnacia acanthopodus* Burmeister and *Libethra regularis* Brunner von Wattenwyl (Insecta: Phasmida). - Zool. Jb. Anat. **118**: 159-163
- 1989e. Aspects of defensive behaviour of *Eurycantha calcarata* Lucas females and the evolution of scorpion mimicry in the Phasmida (Insecta). - Biol. Zbl. **108**: 257-262
- 1989f. Group effect during postembryonic development in *Eurycantha calcarata* Lucas (Insecta: Phasmida). - Zool. Jb. Anat. **119**: I35-156
- Chicca, M., Maurizii, M. G., Scali, V. e Taddei, C. 1989a. Structure and function of the end-chamber during the differentiation of the panoistic ovarioles in *Bacillus rossius*. - Eur. J. Cell Biol., Suppl. **28** (vol. 49): 15
- *-- , -- , -- & -- . 1989b. Organizzazione strutturale e funzionale del germanio durante il differenziamento dell'ovariole panoistico di *Bacillus rossius*. - Atti VIII Congr. Naz. ABCD - Salsomaggiore Terme (Parma), 16-19 Ottobre 1989, p. 176. [V. Scali, pers. comm.]
- Chow, Y. S. & Lin, Y. M. 1985. Stick insect showing the presence of a defensive pheromone-actinidine). - Plant Prot. Bull. (Taiwan) **27**: 297-298. [In Chinese]
- & -- . 1986. Actinidine, a defensive secretion of stick insect, *Megacrania alpheus* Westwood (Orthoptera: Phasmatidae). - J. Entomol. Sci. **21**(2): 97-101
- Cocking, J. P. 1985: Species report: A new species from Borneo. - Phasmid Study Group, Newsletter **22**: 6-7
- 1986a. Species report: *Baculum impigrum* Brunner von Wattenwyl. - Phasmid Study Group, Newsletter **27**: 6-8
- 1986b. Species report: *Haniella echinata* Redtenbacher. - Phasmid Study Group, Newsletter **29**: 7-8
- Cruse, H. 1985a. Coactivating influences between neighbouring legs in walking insects. - J. exp. Biol. **114**: 513-519
- 1985b. Which parameters control the leg movement of a walking insect? I. Velocity control during the stance phase. - J. exp. Biol. **116**: 343-355
- 1985c. Ibid. II. The start of the swing phase. - J. exp. Biol. **116**: 357-362
- 1985d. The influence of load, position and velocity on the control of leg movements of a walking insect. - In: Gewecke & Wendler (Eds.) 1985: 19-26
- & Knauth, A. 1989. Coupling mechanisms between the contralateral legs of a walking insect (*Carausius morosus*). - J. exp. Biol. **144**: 199-213

- , -- & Schwarze, W. 1987. Coordination of middle and hind legs of a walking stick insect. - In: Mazzini & Scali (Eds.) 1987: 87-96
- , Rimenschneider, D. & Stammer, W. 1989. Control of body position of a stick insect standing on uneven surfaces. - Biol. Cybern. **61**: 71-77
- & Schwarze, W. 1988. Mechanisms of coupling between the ipsilateral legs of a walking insect (*Carausius morosus*). - J. exp. Biol. **138**: 455-469
- Dean, J. 1985a. Funktion der Beinsinnesorgane für die Belastungskompensation bei der Stabheuschrecke (*Carausius morosus*). - Verh. Dtsch. Zool. Ges. **78**: 224
- 1985b. A simulation of proprioceptive input from the coxal hair rows of the stick insect: Possible effect of step velocity on the representation of joint angle. - In: Gewecke & Wendler (Eds.) 1985: 49-57
- 1989. Leg coordination in the stick insect *Carausius morosus*: Effects of cutting thoracic connectives. - J. exp. Biol. **145**: 103-131
- & Cruse, H. 1986. Evidence for the control of velocity as well as position in leg protraction and retraction by the stick insect. - Experimental Brain Research Series **15**: 263-274. Berlin, Heidelberg (Springer-Verlag)
- Debrodt, B. & Bässler, U. 1989a. Motor neurons of the flexor tibiae muscle in Phasmids. - Zool. Jb. Physiol. **93**: 481-494
- & --. 1989b. Recording from visible neuron somata in the desheathed metathoracic ganglion of the phasmid *Extatosoma tiaratum*. - Zool. Jb. Physiol. **93**: 495-500
- Deschnadol, A. 1985: Species report: *Carausius morosus* (de Sinéty). - Phasmid Study Group, Newsletter **25**: 6-8
- 1987. Species report: *Rhaphiderus scabrosus* (Percheron). - Phasmid Study Group, Newsletter **33**: 11-12
- Ehrmann, R., 1988. Neue Orthopteren-Funde für die Balearen-Insel Mallorca. - Articulata **3** (Folge 4): 147-150
- Floyd, D. 1987. Keeping Stick Insects. Cheshire (Deanprint Ltd.), pp. 1-60
- Foth, E. & Bässler, U. 1985a. Leg movements of stick insects walking with five legs on a treadwheel and with one leg on a motor-driven belt. I. General results and 1:1-coordination. - Biol. Cybern. **51**: 313-318
- & --. 1985b. Ibid. II. Leg coordination when step-frequencies differ from leg to leg. - Biol. Cybern. **51**: 319-324
- Fournier, B. 1985. Sécrétions cuticulaires et ecdystéroïdes chez les embryons décapités du phasme *Carausius morosus* Br. - Int. J. Invert. Reprod. Devel. **8**: 349-362
- & Radallah, D. 1988. Ecdysteroid in *Carausius* eggs during embryonic development. - Arch. Insect Bioch. Physiol. **7**: 211-224
- & Rogueda, J. 1988. Intervention possible d'un facteur céphalique dans la régénération des pattes chez les embryons du Phasme, *Carausius morosus* Br. (Phasmida: Lonchodidae). - Int. J. Insect Morphol. & Embryol. **17**: 221-230
- Gäde, G. 1985. Isolation of the hypertrehalosaemic factors I and II from the Corpus cardiacum of the Indian stick insect, *Carausius morosus*, by reversed-phase high-performance liquid chromatography, and amino-acid composition of factor II. - Biol-Chem. Hoppe-Seyler. **366**: 195-199
- 1987. Presence, isolation, structure elucidation and mode of action of metabolically active neuropeptides from stick insects. - In: Mazzini & Scali (Eds.) 1987: 97-107
- 1989. Isolation, physiological characterization, release and sequence elucidation of a hypotrehalosamic neuropeptide from the corpus cardiacum of the stick insect, *Sipyloidea sipylus*. - Phys. Ent. **14**: 405-418
- Gasperi, G., Malacrida, A., Mantovani, B. & Scali, V. 1987. Preliminary data on electrophoretic multilocus analysis of eastern taxa of the genus *Bacillus* (Phasmatodea, Bacillidae). - In: Mazzini & Scali (Eds.) 1987: 195-201
- Gewecke & Wendler, G.(Eds.). 1985. Insect Locomotion. Berlin & Hamburg (P. Parey Verlag), [i-x], 1-254 pp.
- Giorgi, F., Boldrini, R., Carpupino, M. & Mazzini, M. 1988. Vitellogenesis in stick insects. VIII. Synthesis and secretion of vitellogenin by fat body in *Carausius morosus* (Br.). (Phasmatodea, Lonchodinae). - Redia **71**: 21-38

- , Bradley, J. T., Vagnali, R. & Mazzini, M. 1989. An autoradiographic analysis of vitellogenin synthesis and secretion in the fat body of the stick insect *Bacillus rossius*. - *Tissue & Cell* **21**: 517-524
- & Mazzini, M. 1985. Cell to cell interactions in ovarian follicles of insects with different types of oogenesis. - *Redia* **68** (ser. 5): 439-450 + pl. I-VIII. [also paginated 439-466]
- & --. 1987. An overview of ovarian growth in stick insects. - In: Mazzini & Scali (Eds.) 1987: 21-30
- Goldsworthy, G. J., Mallison, K., Wheeler, C. H. & Gäde, G. 1986. Relative adipokinetic activities of members of the adipokinetic hormone/red pigment concentrating hormone family. - *J. Insect Physiol.* **32**: 433-438
- Graham, D. 1985a. Influence of coxa-thorax joint receptors on retractor motor output during walking in *Carausius morosus*. - *J. exp. Biol.* **114**: 131-139
- 1985b. Pattern and control of walking in insects. - *Adv. Insect Physiol.* **18**: 31-140
- & Epstein, S. 1985. Behavioural and motor output for an insect walking on a slippery surface. II. Backward walking. - *J. exp. Biol.* **118**: 287-296
- Grösser, D. 1989. Stridulationsorgane bei *Phyllium*-arten (Phasmatodea: Phyllidae). - *Ent. Z.* **99**: 271-272
- Gunning, G. E. 1987. Behavioural observations of the walking stick *Anisomorpha buprestoides* (Phasmatoidea: Phasmatidae). - *Florida Entomol.* **70**: 406-408
- Gwynne, D. T. 1989. Does copulation increase the risk of predation? - *Trends Evol. Ecol.* **4**: 54-56
- Hajji, K. & Fournier, B. 1985. Echelle des stades du développement embryonnaire de *Clitumnus extradanatus* (Phasmoptera, Lonchodidae, Clitumninae). - *Annls. Soc. ent. Fr. (N. S.)* **21**: 157-173
- Hargrow, W. W. 1986. An annotated species list of insects herbivores commonly associated with black locust, *Robinia pseudoacacia*, the the Southern Appalachians. - *Ent. News* **97**: 36-40
- Harman, A. J. E. 1987. The thorny stick insect. - *Sabah Soc. J.* **8**: 380-383
- Hausleithner, B. 1985a. Haltung und Zucht von *Euryantha calcarata* (Phasmatodea). - *Ent. Z.* **95**: 129-134
- 1985b. Eine neue Stabheuschrecke aus Thailand: *Baculum thaii* n. sp. (Phasmatodea). - *Ent. Z.* **95**: 216-219
- 1985c. Über eine wenig bekannte Phasmide aus Borneo, *Phenacephorus cornucervi* Brunner v. W., und die Erstbeschreibung des Männchens (Phasmatodea). - *Ent. Z.* **95**: 315-319
- 1986a. Die Eier einiger *Baculum*-Arten (Phasmida). - *Ent. Z.* **96**: 122-128
- 1986b. Bemerkungen zu *Phasgania sanguineoligatus* und die Erstbeschreibung des Weibchens (Phasmida). - *Ent. Z.* **96**: 293-297
- 1987a. Bemerkungen zu *Euryantha calcarata* Lucas (Phasmida). - *Ent. Z.* **97**: 13-16
- 1987b. Bemerkungen zu *Dyme rarospinosa* Brunner und die Erstbeschreibung des Männchens (Phasmida). - *Ent. Z.* **97**: 103-107
- 1987c. *Calynda brocki* n. sp., eine neue Stabschrecke aus Costa Rica, und einige Bemerkung zur Systematik des Genus *Calynda* Stål (Phasmida). - *Ent. Z.* **97**: 177-186
- 1987d. Intraspezifische Variabilität bei *Phenacephorus conrucervi* Brunner (Phasmida). - *Ent. Z.* **97**: 273-281
- 1989. Die Eier einiger *Dimorphodes*-Arten und einige Bemerkungen zu Systematik dieses Genus (Phasmida). - *Nachr. ent. Ver. Apollo, Frankfurt, N. F.* **10**: 253-262
- Helfer, J. R. 1987. How to Know the Grasshoppers, Crickets, Cockroaches and Their Allies. New York (Dover Publications, Inc.). - Walkingsticks, pp. 18-23.
- Herbert, M. 1986. Species report: *Heteropteryx dilatata* (Parkinson). - *Phasmid Study Group, Newsletter* **28**: 5-8
- 1987. Species report: *Euryantha* spp. - *Phasmid Study Group, Newsletter* **30**: 9-10
- 1988a. Species report: *Dyme rarospinosa* Brunner von Wattenwyl. - *Phasmid Study Group, Newsletter* **34**: 15-16
- 1988b. Species report: *Pharnacia acanthopus* (Burmeister). - *Phasmid Study Group, Newsletter* **39**: 9-10
- 1988c. Species report: *Phyllius* spp. - *Phasmid Study Group, Newsletter* **37**: 12-14
- Hillerton, J. E., 1986. Bias of overlap of mandibles of chewing insects. - *Ent. mon. Mag.* **122**: 229-232
- Hofmann, T. & Bässler, U. 1986. Response characteristics of single trochanter campaniform sensilla in the stick insect, *Cuniculina impigra*. - *Phys. Ent.* **11**: 17-21
- & Koch, U. T. 1985. Acceleration receptors in the femoral chordotonal organ of the stick insect, *Cuniculina impigra*. - *J. exp. Biol.* **114**: 225-237
- , -- & Bässler, U. 1985. Physiology of the femoral chordotonal organ in the stick insect, *Cuniculina*

- impigra*. - J. exp. Biol. **114**: 207-223
- Hsiung, C.-C. 1985a. Behavioural analysis of *Eurycaantha calcarata* Lucas (Phasmatodea, Phasmatidae). - Ent. mon. Mag. **121**: 227-224
- - - 1985b. [Natural fish-hooks - The pleasure of enjoying fishing.] - Shih Chiek Erk Pau /World Journal, Taipei & New York, 1985: 22. [in Chinese].
- - - 1987. Aspects of the biology of the Melanesean stick-insect *Eurycaantha calcarata* Lucas (Cheleutoptera: Phasmatidae). - J. Nat. Hist. **21**: 1241-1258
- *Huckova, A. 1988. Distribution of histamine in the central nervous system of the phasmid, *Clitumus extradentatus*. - Works Inst. Exp. Phytopathol. Entomol. (Bratisl.) **3**(2): 295-304. [Hilton, R. (Ed.) 1989, Entomol. Abstr. **20**(10): 18.]
- Ingrisch, S. & Pavicevic, D. 1985. Zur Faunistik, Systematik und ökologischen Valenz der Orthopteren von Nordost-Griechenland. - Mitt. Münch. Ent. Ges. **75**: 45-77
- Irrera, L. 1988. Richerche sulle glandole difensive di *Sipyloidea sipylyus* (Westwood) e di *Bacillus rossius* (Rossi) (Insecta, Phasmatodea). - Collegio Universitario S. Caterina da Siena, Associazione alunne Collegio S. Caterina da Siena, Pavia, Quaderni N. **3**, Studi e Richerche, 103-117.
- Jamieson, B. G. M. 1987. The Ultrastructure and Phylogeny of Insect Spermatozoa. Cambridge etc. (Cambridge University Press). Chapter 9. Orders Orthoptera and Phasmatodea, pp. 125-142; Chapter 20. Taxonomic summary and phylogenetic analysis of hexapod spermatozoa, pp. 279-289.
- James, T. 1985. Species report: *Lonchodes haematomus* Westwood. - Phasmid Study Group, Newsletter **22**: 7-8
- Jander, J. P. 1985. Mechanical stability in stick insects when walking straight and around curves. - In: Gewecke & Wendler (Eds.) 1985: 33-42
- John, B., Rentz, D. C. F. & Conterras, N. 1987. Extensive chromosome variation in the stick insect genus *Sipyloidea* Brunner von Wattenwyl (Phyllidae: Necrosciinae) within Australia, and description of three new species. - Invertebr. Taxon. **1**: 603-630
- Kern, M. J. 1985. Metabolic rate of the insect brain in relation to body size and phylogeny. - Comp. Biochem. Physiol. **81A**: 501-506
- Kevan, D. K. McE. 1989. Ms. Taylor's walking-sticks: "Queen Bess" and odd "Orthopterians" of 1862 (Mantodea, Phasmatodea, Dermaptera, a Reduviid Hemipteran and Mantispid Neuroptera). - Proc. ent. Soc. Ont. **120**: 1-11
- Kleinsteuber, E. 1989. "Lebende Äste" und "Wandelnde Blätter". - Guter Rat für Haustierfreunde (Leipzig-Berlin) June(?) 1989: 32-33
- Kneubuhler, B. 1989. Species report: *Baculum insignis* (Wood-Mason). - Phasmid Study Group, Newsletter **39**: 18-20
- Koch, U. T. & Brunner, M. 1985. The velocity filter, a system for recording and on line decomposition of complex extracellular spike trains by analog computing. - J. Comp. Physiol. **A 157**: 823-830
- Kristin, A. 1986. Poznáte pakobylky a strasilky? [Kennen sie Phasmida?] - Chovatel **12**: 282 + backcover illustrations. [In Czechish]
- Lau, D. 1987. Zur Fortpflanzung der Annam-Stabschrecke, *Baculum extradentatum* (Brunner von Wattenwyl). - Zool. Anz. **218**: 81-92
- Lechtape-Gruter, U., Pohl V. & Gäde, G. 1987. Hypertrehalosamic factors from the stick insects *Sipyloidea sipylyus*. - In: Mazzini & Scali (Eds.). 1987: 109-111
- Lees, D. 1989. Practical considerations and techniques in the captive breeding of insects for conservation purposes. - The Entomologists **108**: 77-96
- Lelorg, P. 1988. Morphologie et biologie des phasmes français (Phasmida Phasmidae). - Biologie et Elevage Imagoes des Insectes **33**: 17-24
- Lionnet, G. 1987. Seychelles stick and leaf insects. - Seychelles Nation, Monday 12th October, one page. [pagination unknown]
- Mantovani, B. & Scali, V. 1985. L'uovo di tre specie di *Bacillus* (Insecta Phasmatodea) del Mediterraneo Orientale al microscopio elettronico a scansione. - Atti XIV Congr. naz. ital. Ent., Palermo, Erice, Bagheria 1985: 193-200
- - - & - - - 1987. The eggs of three *Acanthoxyla* species. - In: Mazzini & Scali (Eds.) 1987: 141-147
- - - , - - & Tinti, F. 1989. Phylogeny of the genus *Bacillus* (Insecta Phasmatodea): allozyme evidence of *B. grandii* and *B. atticus* contributions to Sicilian hybrid taxa. - 2nd Congr. Europ. Soc. Evolut. Biol., 25-29 September 1989, Rome, p. 41. [V. Scali, pers. comm.]

- Marescalchi, O., Corni, M. G. & Scali, V. 1985. I cromosomi di tre specie di *Bacillus* (Insecta Phasmatodea) del mediterraneo Orientale. - Atti XIV Congr. naz. ital. Ent., Plaermo, Erice, Bagheria 1985: 201-207
- *-- & Scali, V. 1989. The karyotypes of *Bacillus grandi benazzi* and its natural hybrid with *B. rossius* (Insecta Phasmatodea) from Sicily. 2nd Congr. Europ. Soc. Evolut. Biol., 25-29 Semptember 1989, Rome, p. 48. [V. Scali, pers. comm.]
- *-- , -- & Zuccitti, M. 1989. A flow-cytometric analysis of genome-size in *Bacillus* (Insecta). Atti 6 Riunione Naz. Citometria, Pavia, 20-22 settembre 1989. - Bas. Appl. Histochem. 33(suppl.): 151. [V. Scali, pers. comm.]
- Marshall, J. & Haes, E. C. M. 1988. Grasshoppers and Allied Insects of Great Britain and Ireland. Colchester, Essex (Harley Books), 1-252 pp. [pp. 140-144, 188-189, 218-226, pl. 10, deals with Phasmida]
- Masetti, M. 1987. A comparative analysis of vitellins in stick insects. - In: Mazzini & Scali (Eds.) 1987: 149-156
- & Giorgi, F. 1989. Vitellin degradation in developing embryos of the stick insect *Carausius morosus*. - J. Insect Physiol. 35: 689-697
- , Ridolfi, D., Mazzini, M. & Giorgi, F. 1985. Utilizzazione del vitello in embrioni in sviluppo dell'insetto stecco *Carausius morosus* (Br.). - Atti XIV Congr. naz. ital. Ent., Palermo, Erice, Bagheria, 1985: 421-427
- Matyot, P. 1989a. Some observations on the distribution and foodplants of Seychellois stick insect. - Bull. amat. ent. Soc. 48: 213-218
- 1989b. The quest for Graeffea. - Seychelles Today, April 1989, vol 2 (4): 44
- Maurizii, M. G. 1987. Ultrastructural observations of corpora allata in adult female of *Bacillus rossius*. - In: Mazzini & Scali (Eds.), 1987: 31-38
- Mazzini, M. 1987. An overview of egg structure in Orthopteroid insects. - In: Baccetti (Ed.) 1987: 358-372
- Mazzini, M., Burrini, A. & Giorgi, F. 1989. The secretory pathway of vitellogenin in the fat body of the stick insect *Bacillus rossius*: An ultrastructural and immunochemical study. - Tissue & Cell 21: 535-541
- & Giorgi, F. 1985. The follicle cell-oocyte inter action in ovarian follicles of the stick insect *Bacillus rossius* (Rossi): (Insecta: Phasmatodea). - J. Morphol. 185: 37-49
- & --. 1986. Endocytic pathways in vitellogenic ovarian follicles of the stick insect *Bacillus rossius* (Rossi) (Phasmatodea, Bacillidae). - J. Submicrosc. Cytol. 18: 577-586
- & --. 1987. The secretory pathway in the fat body of stick insects. - In: Mazzini & Scali (Eds.) 1987: 39-46
- & --. 1988. Interazioni cellulari e d'attività biosinetetica dell' apitelio follicolare di *Bacillus rossius* (Phasmatodea, Bacillidae). - Atti XV Congr. naz. ital. Ent. L'Aquila, 1988: 739-746
- , Mantovani, B., Scali, V., Nascetti, G. & Burrini, L. 1987. Egg chorion of three new Sicilian species of *Bacillus* (Insecta Phasmatodea): A scanning electron microscope study. - Monitore zool. Ital. (N. S.) 21: 87-98
- , Masetti, M. & Giorgi, F. 1985. Indagine ultrastrutturale e biochimica dei corpi grasi in *Bacillus rossius* (Rossi) (Insecta Phasmatodea Bacillidae). - Atti XIV Congr. naz. ital. Ent., Palermo, Erice, Bagheria 1985: 429-435
- , -- & --. 1986. Auto- and heterosynthetic processing in developing ovarian follicles of *Bacillus rossius* (Rossi) (Phasmatodea: Bacillidae). - Int. J. Insect Morphol. & Embryol. 15: 49-64
- & Scali, V. 1987. Stick Insect - Proceedings of the 1st International Symposium on stick Insects, Phylogeny and Reproduction, Siena 1986. Siena & Bologna, 1-224 pp.
- *-- & --. 1988. Oootaxonomy of stick insects (Phasmatodea) of Somalia. - Atti XXVII Congr. Soc. It. Biogeogr., Firenze 27-30 Settembre 1988. [pagination unknown] [V. Scali, pers. comm.]
- Mesnier, M. 1985. Origin and release sites of a hormone stimulating oviposition in the stick insect *Clitumnus extadentatus*. - J. Insect Physiol. 31: 299-306
- Mottaz, D. & Tudor, D. 1989. Species report: *Oreophoetes peruanas* (Saussure). - Phasmid Study Group, Newsletter 39: 15-17
- Nascetti, G. & Bullini, L. 1988. Struttura genetica di *Bacillus atticus* (Phasmatodea, Bacillidae). - Atti XV Congr. naz. ital. Ent., L'Aquila 1988: 247-253
- Nichols, S. W. & Schuh, R. T. 1989. The Torre-Bueno Glossary of Entomology. i-xviii, 1-840 pp. The New York Ent. Soc., Amer. Nus. Nat. Hist.
- Peck, S. B. & Beninger, C. 1989. A survey of the Florida Key's: Cockroaches (Blattodea), Mantids

- (Mantodea), and walkingsticks (Phasmatodea). - Florida Ent. **72**: 612-617
- Penhallurick, R. D. 1988. Model for a still-life class. - West Briton, 18 February 1988, one page. [pagination unknown]
- Pijnacker, L. P. 1987. The parthenogenesis and cytogenetics of *Carausius morosus* Br. - In: Mazzini & Scali (Eds.) 1987: 203-210
- & Ferwerda, M. A. 1986. Development of the synaptonemal complex of two types of pachytene in oocyte and spermatocytes of *Carausius morosus* Br. (Phasmatodea). - Chromosoma **93**: 281-290
- & --. 1987. The synaptonemal complex in oocytes and spermatocytes of the parthenogenetic *Carausius morosus* Br. (Phasmatodea). - In: Mazzini & Scali (Eds.) 1987: 47-48
- & Koch, P. 1987. Oogenesis and spermatogenesis of the parthenogenetic *Carausius morosus* Br. (Phasmatodea). - In: Mazzini & Scali (Eds.) 1987: 49-51
- Polyakova, D. I. 1986. [Learning at the choice of a host-plant by a walkingstick, *Bacillus rossius* (Phasmatodea, Phylliinae). - Zool. Zhurnal, **65**: 1088-1090. [In Russian with English Summary]
- Raabe, M. 1989. Recent Developments in Insect Neurohormones. New York & London (Plenum Press), i-xxii, 1-503 pp.
- Radallah, D. & Fournier, B. 1988. Ecdysteroids and cuticulogeneses in partial embryonic systems following microsurgery on eggs of *Carausius morosus*. - J. Insect Physiol. **34**: 37-46
- Raper, L. 1987. Species report: *Phenacephorus cornucervi* Brunner von Wattenwyl. - Phasmid Study Group, Newsletter **32**: 13-14
- 1988. Species report: *Acacus* sp. ? - Phasmid Study Group, Newsletter **34**: 13-14
- Rentz, D. C. F. 1988. *Nanophyllius pygmaeum* Redtenbacher (Phasmatodea: Phyllidae: Phylliinae), a leaf insect recently recognized in Australia. - Aust. ent. Mag. **15**: 3-5
- Richards, E. H., Ratcliffe, N. A. & Renwrantz, L. 1988. Isolation and characterization of a serum lectin from the giant stick insect *Extatosoma tiaratum*. - Insect Biochem. **18**: 691-700
- Robinson, M. H. 1985. Predator-prey interactions, informational complexity, and the origins of intelligence. - J. Wash. Acad. Sci. **75**: 91-104
- Roux, A. 1989. Species report: *Antillophilus brevitarsus* Carl (?). - Phasmid Study Group, Newsletter **40**: 25-26
- Saure, C. 1987. Vergleichende muskelanatomische und biostatische Untersuchungen am Hinterleib von Phasmida (Insecta). - Unveröffentlichte Diplomarbeit, Fakultät für Biologie, Universität Tübingen, Federal Republic of Germany. pp. 1-99
- 1988. Vergleichend-anatomische Untersuchungen der abdominalen Muskulatur einiger Phasmida-Imagines (Insecta). - Stuttgarter Beitr. Naturk., Ser. A, No. **413**: 1-30
- Sbrenna, G., Chicca, M., Sbrenna-Micciarelli, A. & Scali, V. 1989. Ecdysteroid titres in *Bacillus rossius* (Phasmatodea) and their relations to ovariole development. - Eur. J. Cell Biol., Suppl. **28** (vol. 49): 49
- *--, Scali, V., Sbrenna-Micciarelli, A. 1989. Ecdysteroids during development of *Bacillus rossius* (Phasmatodea) and their relations to ovaricle morphogenesis. G. E. I. Grottommare 7-10 Giugno 1989: 3. [V. Scali, pers. comm.]
- *Scali, V. 1989. Two new phasmids of the genus *Bacillus* (Insecta Phasmatodea) from Sicily: *B. grandis benazzii* and its hybrid with *B. rossius*. 2nd Congr. Europ. Soc. Evolut. Biol., 25-29 September 1989, Rome, p. 58. [V. Scali, pers. comm.]
- *-- & Mantovani, B. 1985. Distribution and phyletic relationships of specific and subspecific taxa in the holomediterranean genus *Bacillus* (Insecta: Phasmatodea). - In: Danielis, G. (Ed.) Facets of Ecological Genetics, Padova (in press) [Scali et al. 1987, Boll. Zool. **54**]
- & --. 1989. Updating of systematics and speciation mechanisms of *Bacillus* (Insecta, Phasmatodea). - Boll. Zool. **56**: 87-98
- ,--, Gasperi, G. & Malacrida, A. 1985. Selezione gametica in incroci intraspecifici di *Bacillus rossius* (Insecta Phasmatodea). - Ecologia - Atti II Congr. naz. soc. ital. Ecol., Padova 1984: 329-332
- & Marescalchi, O. 1987a. Karyology and cyt taxonomy of Phasmatodea. - In: Mazzini e Scali (Eds.) 1987: 211-222
- & --. 1987b. The evolution of the genus *Bacillus* (Phasmatodea Bacillidae) from a karyological point of view. - In: Baccetti (Ed.) 1987: 541-549
- ,--, Mazzini, M., Nascetti, G. & Bullini, L. 1987. Intraspecific ootaxonomy of *Bacillus rossius* (Rossi) (Insecta Phasmatodea). - Boll. Zool. **54**: 41-47
- & Mazzini, M. 1987. Ootaxonomy of stick insects (Phasmatodea). - In: Mazzini & Scali (Eds.) 1987: 157-168

- Schjeide, O. A. & Schmidt, P. 1987. Preliminary characterization of the egg yolk and hemolymph of *Carausius morosus*. - In: Mazzini & Scali (Eds.) 1987: 53-70
- Schmitz, J. 1985a. Zur Systemanalyse des Coxa-Trochanter-Regelkreises der Stabheuschrecke *Carausius morosus*. - Verh. Dtsch. Zool. Ges. **78**: 241
- 1985b. Control of the leg joints in stick insects: Differences in the reflex properties between the standing and the walking state. - In: Gewecke & Wendler (Eds.) 1985: 27-32
- 1986a. The depressor trochanteris motorneurones and their role in the coxo-trochanteral feedback loop in the stick insect *Carausius morosus*. - Biol. Cybern. **55**: 25-34
- 1986b. Properties of the feedback system controlling the coxa-trochanter joint in the stick insect *Carausius morosus*. - Biol. Cybern. **55**: 35-42
- & Hassfeld, G. 1989. The treading-on-tarsus reflex in stick insects: Phase-dependence and modifications of the motor output during walking. - J. exp. Biol. **143**: 373-388
- Sellick, J. T. C. 1987a. The micropylar plate of the eggs of Phasmatodea, and its taxonomic significance. - In: Mazzini & Scali (Eds.) 1987: 133-139
- 1987b. Reports - Stick insect symposium. - Antennae **11**: 16
- 1988. The capitula of phasmid eggs: an update with a review of the current state of phasmid oootaxonomy. - Zool. J. Linn. Soc. **93**: 273-282
- Singy, X. 1988. Species report: *Lonchodes hosei* Kirby. - Phasmid Study Group, Newsletter **35**: 13-14
- Spinetti, I. 1987. Protein synthesis and secretion by in vitro cultured ovarian follicles in *Carausius morosus*. - In: Mazzini & Scali (Eds.) 1987: 71-78
- Stark, B. P. & Lentz, D. L. 1986. Morphology of the egg capsule in *Megaphasma dentricus* (Phasmatodea: Heteronemiida). - J. Kansas Ent. Soc. **59**: 398-401
- *Taddei, C., Chicca, M., Maurizi, G. & Sbrenna, G. 1989. Differenziazione ovariolare in *Bacillus rossius*. - Acta Embryol. Morphol. Exper. **10**: pagination unknown. [Sbrenna et al. 1989]
- The Phasmid Study Group. 1985-1989: Newsletters no. 22-41 (ISBN 0268-3806). Smaller notes on rearing stick-insects, and more comprehensive species reports, which has been included in this bibliography. For further information and membership inquiries: Paul Brock, "Papillon", 40 Thorndike Road, Slough., Berks SL2 1SR, England.
- Thorndike, M. C. & Goldsworthy, G. J. 1988. Neurohormones in Invertebrates. Cambridge, New York etc. (Cambridge University Press). i-xi, 1-318 pp.
- Tichy, H. 1987. Hygroreceptor identification and response characteristics in the stick insect *Carausius morosus*. - J. Comp. Physiol. **A 160**: 43-53
- & Loftus, R. 1987. Response characteristics of a cold receptor in the stick insect *Carausius morosus*. - J. Comp. Physiol. **A 160**: 33-42
- Tomey, W. A. 1988. Een wandelende reuzentak uit Irian. - L'Aquarium **88(9)**: 95-97
- Tudor, D. M. 1989. Species report: *Paramyronides perakensis* Redtenbacher. - Phasmid Study Group, Newsletter **40**: 23-24
- Turk, S. M. 1985. Two New Zealand stick-insects naturalised in mainland Cornwall. - Ent. Rec. J. Var. **97**: 129-130
- van den Bussche, P. A., Willig, M. R., Chesser, R. K. & Waide, R. B. 1988. Genetic variation and systematics of four taxa of neotropic walking sticks (Phasmatodea: Phasmatidea). - Proc. Entomol. Soc. Wash. **90**: 422-427
- Vickery, V. P. & Kevan, D. K. McE. 1986. The Insects and Arachnids of Canada. Part 14. The Grasshoppers, Crickets, and Related Insects of Canada and Adjacent Regions. Ulonata: Dermaptera, Cheleutoptera, Notoptera, Dictyoptera, Grylloptera, and Orthoptera. 1-918 pp. [pp. 10-11, 34-37 and 54-59 deals with Phasmida]
- Viscuso, R. & Longo, G. 1987. The micropylar plate and its possible role in the eggs of Phasmatodea. - In: Mazzini & Scali (Eds.): 169-177
- , -- & Stella, E. 1985. Prime osservazioni sulle biologia di *Heteropteyx dilatatus* Gray (Phasmatodea: Bacillidae) e caratteristiche ultrastrutturali del corion delle uova. - Atti XIV Congr. naz. Ital. Ent., Palermo, Erice, Bagheria, 1985: 313-320
- , -- & de Luca, V. 1986. Egg morphology and chorion fine structure in the stick insect *Eurycantha horrida* Boisduval (Phasmatodea, Phasmatidae). (SEM study of the egg of *E. horrida*). - Arch. Biol. (Bruxelles) **97**: 417-434
- Weiland, G. 1987. Sensory control during active movements. - In: Mazzini & Scali (Eds.) 1987: 113-115

- - , Bässler, U. & Brunner, M. 1986. A biological feedback control system with electronic input: The artificially closed femur-tibia control system of stick insects. - J. exp. Biol. **120**: 369-385
- - & Koch, U. T. 1987. Sensory feedback during active movements of stick insects. - J. exp. Biol. **133**: 137-156
- Whalley, P. E. S. 1985. The systematics and palaeogeography of the lower triassic insects of Dorset, England. - Bull. Br. Mus. Nat. Hist. (Geol.). **39**(3): 107-187. [pp. 137-140 deals with Phasmida]
- Ziegler, U. 1989. Ein gynandromorphes Exemplar von *Phyllium bioculatum* (Gray) (Phasmida). - Ent. Z. **99**: 30-32

Species index

- Acacus* sp. ?: Raper 1988.
- Acanthoxyla geisovi* (Kaup): Brock 1987b, Mantovani & Scali 1987, Marshall & Haes 1988
- Acanthoxyla inermis* Salmon: Brock 1987b, Mantovani & Scali 1987, Penhallurik 1988, Marshall & Haes 1988.
- Acanthoxyla prasina* (Westwood): Bragg 1988, Brock 1985a, Mantovani & Scali 1987, Turk 1985.
- Acrophylla wuelfingi* Redtenbacher: Koch & Brunner 1985.
- Anisomorpha buprestoides* (Houttuyn in Stoll'): Allred et al. 1986, Carlberg 1985c, 1985h, 1987c, 1987e, 1987f, Gunnings 1987, Peck & Beninger 1989.
- Antillophilus brevitarsus* Carl: Roux 1989.
- Aplopus cytherea* Westwood: Saure 1987, 1988.
- Bacillus* sp. Ingrisch & Pavicevic 1985
- Bacillus* spp.: Gasperi et al. 1987, Marescalchi et al. 1989, Scali & Mantovani 1985, 1989, Scali & Marescalchi 1987b.
- Bacillus atticus* Brunner von Wattenwyl: Agostini & Scali 1989, Mantovani & Scali 1985, Mantovani et al. 1989, Marescalchi et al. 1985, Nascetti & Bullini 1987b, 1987c, 1989.
- Bacillus carius* Scali & Mantovani: Mantovani & Scali 1985, Marescalchi et al. 1985.
- Bacillus cyprius* Uvarov: Brock 1987a, Mantovani & Scali 1985, Marescalchi et al. 1985.
- Bacillus grandii* Nascetti & Bullini: Bullini & Nascetti 1987b, 1987c, 1989, Mantovani et al. 1989, Marescalchi & Scali 1989, Mazzini et al. 1987, Scali 1989.
- Bacillus lynceorum* Bullini et al.: Bullini & Nascetti 1987b, 1987c, 1989, Mazzini et al. 1987.
- Bacillus rhodius* Mantovani & Scali: Mantovani & Scali 1985.
- Bacillus rossius* (Rossi): Bradley et al. 1987, Bullini & Nascetti 1987b, 1987c, 1989, Chicca et al. 1989a, 1989b, Ehrmann 1988, Giorgi et al. 1989, Giorgi & Mazzini 1985, 1987, Mazzini et al. 1989, Mazzini & Giorgi 1985, 1986, 1987, 1988, Irrera 1988, Mazzini et al. 1985, 1986, Maurizii 1987, Polyakova 1986, Sbrenna et al. (a) 1989, Sbrenna et al. (b) 1989, Scali et. al. 1985, 1987, Taddei et al. 1989.
- Bacillus whitei* Nascetti & Bullini: Bullini & Nascetti 1987b, 1987c, 1989, Mazzini et al. 1987.
- Bacteria* sp.: Brock 1987c.
- Baculum* spp.: Hausleithner 1986a.
- Baculum* sp. 1 (sensu Carlberg): Carlberg 1986e, 1986h, 1987c, 1987e, 1987f
- Baculum extradentatum* (Brunner von Wattenwyl): Hajji & Fournier 1985, Huckova 1988, Lau 1987, Mesnier 1985.
- Baculum impigra* (Brunner von Wattenwyl): Bässler 1986b, 1986c, 1988, Bässler et al. 1986, Bässler & Koch 1989, Cocking 1986a, Hofmann & Bässler 1986, Hofmann & Koch 1985, Hofmann et al. 1985, Weiland et al. 1986.
- Baculum insignis* (Wood-Mason): Kneubuhler 1989.
- Baculum thaili* Hausleithner: Afzelius 1988, Afzelius & Dallai 1989, Carlberg 1985e, 1989a, Hausleithner 1985b.
- Bacunculus blanchardi* Camousseight: Camousseight 1988.
- Bacunculus cornutus* (Philippi): Camousseight 1988.
- Calynda* spp.: Brock 1985c.
- Calynda brocki* Hausleithner: Hausleithner 1987c.

Carausius alluaudi (Bolivar): Matyot 1989a.

Carausius gardineri (auct.?): Matyot 1989a.

Carausius morosus (de Sinéty): Bart 1988, Bässler et al. 1985, 1987a, 1987b, Baudry-Partiaoglou 1986, Berthold 1987, Bradley & Giorgi 1987, Bradley et al. 1989, Nascetti & Bullini 1989, Buscghes 1989, Carlberg 1986a, Cruse 1985a, 1985b, 1985c, Cruse & Knauth 1989, Cruse et al. 1987, 1989, Cruse & Schwarze 1988, Dean 1985a, 1985b, 1989, Debrodt & Bässler 1989, Descgnadol 1985, Foth & Bässler 1985a, 1985b, Fourrier 1985, Fournier & Radallah 1988, Fournier & Rogueda 1988, Gädé 1985, 1987, Goldsworthy et al. 1986, Giorgi & Mazzini 1987, Giorgi et al. 1988, Graham 1985a, Hillerton 1986, Jander 1985, Marshall & Haes 1988, Masetti & Giorgi 1987, 1989, Masetti et al. 1985, Pijnacker 1987, Pijnacker & Ferwerda 1986, 1987, Pijnacker & Koch 1987, Radallah & Fournier 1988, Saure 1987, 1988, Schjeide & Schmidt 1987, Schmitz 1985a, 1985b, 1986a, 1986b, Schmitz & Hassfeld 1989, Spinetti 1987, Tichy 1987, Tichy & Loftus 1987, Weiland et al. 1986, Weiland & Koch 1987.

Carausius sechellensis (Bolivar): Matyot 1989a.

Clitumnus see *Baculum*

Clitarchus hookeri (White): Brock 1985a, 1987b, Marshall & Haes 1988, Penhallurik 1988, Turk 1985.

Clonopsis algerica (Pantel): Bullini & Nascetti 1987a, 1987b, 1987c.

Clonopsis gallica (Charpentier): Brock 1989b, Bullini & Nascetti 1987a, 1987b, 1987c, 1989.

Clonopsis marocana Bullini & Nascetti: Bullini & Nascetti 1987a.

Cuniculina see *Baculum*

Dares spp. Brock 1986

Diapherodes achalus (Rehn): Van den Bussche et al. 1988.

Diapheromera femorata (Say): Brock 1985c, Hargrove 1986, Kevan 1989, Saure 1987, 1988.

Diapheromera veli (Walsh): Capinera 1985.

Dimorphodes spp.: Hausleithner 1989.

Dryocelus australis (Montrouzier): Lees 1989.

Durnovaria parallela Whalley: Whalley 1985.

Dyme rarospinosa Brunner von Wattenwyl: Hausleithner 1987b, Herbert 1988a.

Extatosoma tiaratum (MacLeay): Afzelius 1985, 1988, Afzelius & Dallai 1989, Carlberg 1985a, 1985d, 1985g, 1986c, 1987c, 1987e, 1987f, 1988a, 1988b, 1988c, 1988d, 1989c, Debrodt & Bässler 1989a, 1989b, Kern 1985, Richards et al. 1988, Saure 1987, 1988.

Eurycantha spp.: Herbert 1987.

Eurycantha calcarata Lucas: Carlberg 1989a, 1989b, 1989e, 1989f, Hausleithner 1985a, 1987a, Hsiung 1985a, 1985b, 1987, Saure 1987, 1988.

Eurycantha horrida Boisduval: Tomey 1988, Viscuso et al. 1986

Eurycnema herculana Brunner von Wattenwyl: Kern 1985.

Graeffea seychellensis (auct.?): Matyot 1989a, 1989b.

Haaniella echinata Redtenbacher: Cocking 1986b, Harman 1987.

Heteropteryx dilatata (Parkinson): Brock 1989a, Carlberg 1989a, Herbert 1987, Saure 1987, 1988, Viscuso et al. 1985.

Lamponius portoricensis Rehn: Van den Bussche et al. 1988.

Leptynia hispanica (Bolivar): Bullini & Nascetti 1987a, 1987b, 1989

Libethra regularis Brunner von Wattenwyl: Afzelius & Dallai 1989, Carlberg 1989a, 1989d.

Lonchodes haematomus Westwood: James 1985.

Lonchodes hosei Kirby: Singy 1988.

Megacrania alpheus Westwood: Chow & Lin 1985, 1986.

Megacrania tsudai Shiraki: Saure 1987, 1988.

Mecaphasma dentricus (Stål): Stark & Lentz 1986.

Nanophyllium pygmaeum Redtenbacher: Rentz 1988.

Oreophoetes peruanas (Saussre): Mottaz & Tudor 1989.

Paramyronides perakensis Redtenbacher: Tudor 1989.

Pharnacia acanthopus Burmeister: Carlberg 1988e, 1989b, 1989d, Herbert 1988b.

Phasgania sanguineo-ligatus (Brunner von Wattenwyl): Hausleithner 1986b.

Phenacephorus cornucervi Brunner von Wattenwyl: Hausleithner 1985c, 1987d. Reper 1987.

Phyllius spp. Herbert 1988c.

Phyllum bioculatum (Gray): Grösser 1989, Ziegler 1989.

Phyllum giganteum (auct. ?): Grösser 1989.

Pseudobacteria yersiniana (Saussure): Van den Bussche et al. 1988.

Rhaphiderus scabrosus (Percheron): Deschandol 1987.

Sipyloidea spp.: John et al. 1987.

S. nelida John, Rentz & Contreras: John et al. 1987.

S. ovabditia John, Retzn & Contreras: John et al. 1987.

S. similis John, Rentz & Contreras: John et al. 1987.

S. sipyulus (Westwood): Carlberg 1986d, 1987d, 1987f, Gäde 1989, Irrera 1988, Lechtape-Gruter et al. 1987.

Xeropsis crassicornis (Philippi): Camousseight 1986.

General and/or multispecies works: Baccetti 1985, 1987a, 1987b, 1987c, Bässler 1986a, 1987, Borror et al. 1989, Bragg 1989, Brock 1985b, Bruins 1986, Byron 1988, Cai 1987, Carlberg 1985b, 1985f, 1986b, 1986f, 1986g, 1987a, 1997b, 1987g, 1987i, 1988f, 1989a, 1989e, Dean & Cruse 1986, Floyd 1987, Gewecke & Wendler 1985, Graham 1985b, Gwynne 1989, Helfer 1987, Jamieson 1987, Kleinsteuber 1989, Kristin 1986, Lees 1989, Lelong 1988, Lionett 1987, Masetti 1987, Mazzini & Scali 1987, Nichols & Schuh 1989, Raabe 1989, Robinson 1985, Scali & Marescalchi 1987a, Scali & Mazzini 1987, Sellick 1987a, 1987b, 1988, Thorndike & Goldsworthy 1988, Vickery & Kevan 1986, Viscuso & Longo 1987.